

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 0010 with the following amended paragraph:

Briefly summarized, the claimed invention provides a scanning device having a housing, a cold cathode fluorescent lamp (CCFL), and a light emitting diode (LED), both for emitting light, a photosensor for detecting light that is emitted from the CCFL and the LED, and which is then reflected from a document, and a control circuit for controlling operations of the scanning device.

Please replace paragraph 0022 with the following amended paragraph:

Please refer to Fig.4, which illustrates a relationship between brightness variations of the first light source 24 (curve A) and the second light source 26 (curve B) versus time according to the present invention. In the illustrative embodiment, the first light source 24 and the second light source 26 are turned on simultaneously (time t_2 shown in Fig.4). The second light source 26 (curve B) is capable of quickly emitting stable light, unlike the first light source 24 (curve A), which needs 45 to 90 seconds of warm-up time. Therefore, after enabling the second light source 26, the second light source 26 can generate light, however its luminance is lower than the light that the first light source 24 generates after being heated. During the warm-up time period of the first light source 24, only the second light source 26 is used to scan the document. During this time, the first light source 24 is heated. In general, the warm-up time period of the first light source 24 needs to be about 45-90 seconds. Suppose that the warm-up time period of the first light source 24 in this illustrative embodiment is 45 seconds (t_3 as shown in Fig.4), and so 45 seconds is set as a predetermined time. When the predetermined time of 45 seconds is reached, the controller 30 simultaneously enables both the first light source 24 and the second light source

26, so that both light sources 24, 26 provide document illumination. Then, the accumulated light luminance from the first light source 24 and the second light source 26 results in a more precise gray level of the reflected light detected by the photosensor 28, and a lowered exposure time. Finally, the controller 30 transforms the different detected gray levels of light into corresponding digital data, and recombines these data to generate an image file readable by a computer.

Please replace paragraph 0024 with the following amended paragraph:

Please refer to Fig.5, which shows a block diagram of a computer system 40 using the scanning device 20 according to the present invention. For simplicity, elements that have the same function as that illustrated in Fig.3 are provided the same item numbers used in Fig.5. The scanning device_20 can be a flat bed scanner or a document fed scanner. In the illustrative embodiment, the computer system 40 comprises a display device 42 for displaying images, and an image application 44, such as Photoshop published by Adobe, PhotoImpact and Photo Express published by Ulead, or OminiPage Limited Edition published by Caere. Such programs are used to initiate the operations of the scanning device 20. These applications have such functions as “preview” and “scan”. How the computer system 40 cooperates with the image application 44 and the scanning device 20 is described as follows:

Please replace paragraph 0026 with the following amended paragraph:

Step 100:_Start.

Please replace paragraph 0027 with the following amended paragraph:

Step 102:_Implement “preview” function.

Please replace paragraph 0029 with the following amended paragraph:

Step 106:_Perform preview scanning using the second light source 26 and the heating first light source 24.

Please replace paragraph 0030 with the following amended paragraph:

Step 108:_Show the preview result on the display device 42 of the computer system 40.

Please replace paragraph 0033 with the following amended paragraph:

Step 114:_Show the scan result on the display device 42 of the computer system 40.

Please replace paragraph 0036 with the following amended paragraph:

Please refer to Fig.7 and Fig.8. Fig.7 is a perspective view of the multi-function product 50 with the scanning device_20 according to the present invention. Fig. 8 is a block diagram of the multi-function product 50 according to the present invention. The multi-function product 50 comprises an operations pad 52, a scanning module 23, a photosensor 28, and a controller 30. A first light source 24, which is a CCFL, and a second light source 26, which is a white light LED, are installed within the scanning module 23. The operations pad 52 has a control button 54 and a start button 56. When the start button 56 is pressed, the controller 30 turns on the first light source 24 and the second light source 26. When the control button 54 is pressed, the controller 30 only turns on the second light source 26. For simplicity, elements that have the same function as that illustrated in Fig.3 are provided the same item numbers used in Fig.7.